

ttcacgtagt ggacaaattc ttccaactga tctgcgcg 4740  
tgtccaagat aagcctgtct agcttcaagt atgacgggct gatactggc cgccaggc 4800  
tccattgccc agtcggcagc gacatccttc ggccgatt tgccggttac tgcgtgtac 4860  
caaatgcggg acaacgtaag cactacattt cgctcatgc cagcccagtc gggcggc 4920  
ttccatagcg ttaaggttc atttagcgcc tcaaata 4980  
aagagttcct ccggcgctgg acctaccaag gcaacgctat gttctttgc ttttgtc 5040  
aagatagcca gatcaatgtc gatcgtggct ggctcgaaga tacctgcaag aatgtcattt 5100  
cgctgccatt ctccaaattt cagttcg 5160  
tcgtgcacaa caatggtgac ttctacagcg cggagaatct cgctctctcc agggaaagcc 5220  
gaagttcca aaaggcggtt gatcaaagct cgcccggtt 5280  
accgttaacca gcaaataat atcactgtgt ggcttcaggc cgccatccac tgccggagcc 5340  
tacaaatgtt cggccagcaa cgtcggttcg agatggcgct cgatgacgcc aactacctt 5400  
gatagtttagt tcgataacttc ggcgatcacc gctccctca tggatgtttaa ctttgtttt 5460  
ggcgactgc cctgctgcgt aacatcggtt ctgctccata acatcaaaca tcgacccacg 5520  
gcgttaacgcg cttgctgctt ggatgcccga ggcata 5580  
taacaagcca tggaaaaccgc cactgcgcg ttaccaccgc tggatgttca 5640  
gaccagttgc gtgagcgcat acgctacttg cattacagct tacgaaccga acaggctt 5700  
gtccactggg ttctgcctt catccgttcc cacgggtgtc gtcacccggc aaccttggc 5760  
agcagcgaag tcgaggcatt tctgtcctgg ctggcgaacg agcgcaagg 5820  
acgcattcg 5880  
ctgcctggc ttcaaggat cggaaagac 5940  
acccggatg aagtggttcg catcctcggt tttctggaa 6000  
cagcttctgt atggaacggg catcggtac agtgggtt 6060  
ctggatttcg atcacggcac gatcatcg 6120  
ttgatgttac ccgagagctt ggcacccagc ctgcgcg 6180  
tgacctttt 6240  
cccttttta tttaaaaat ttccacaa aacggtttac aacataacg ggttttgct 6300  
ccgcacaaacg ggctgttctg gtgttgct 6360  
ggtttgcgg ctgaaagcgc tatttcttcc agaattgcca tggattttc cccacgggag 6420  
gcgtcactgg ctcccggtt gtcggcagct tggatcgat aacgacatc gcctgtttca 6480  
ggctgtctat gtgtgactgt tgagctgtaa caagttgtct caggtgttca atttcatgtt 6540

ctagttgctt tgtttactg gttcacctg ttctattagg ttttacatgc ttttcatctg 6600  
ttacattgtc gatctgttca tggtaacag cttaaatgc accaaaaact cgtaaaagct 6660  
ctgatgtatc tatctttttt acaccgtttt catctgtgca tatggacagt ttccctttg 6720  
atatctaacg gtgaacagtt gttctacttt tgtttggtag tcttcatgtc tcactgatag 6780  
atacaagagc cataagaacc tcagatcctt ccgtatTTT ccagtatgtt ctctatgtg 6840  
gttcgttgg tttgcgtgag ccatgagaac gaaccattga gatcatgctt actttgcattg 6900  
tcactcaaaa attttgcctc aaaactggtg agctgaattt ttgcagttaa agcatcgtgt 6960  
agtgttttc ttagtccgtt acgttaggtt gaatctgtatg taatgggttgg tggatTTT 7020  
tcaccattca ttttatctg gttgttctca agttcggtt ccagatccat ttgtctatct 7080  
agttcaactt ggaaaatcaa cgtatcagtc gggcggcctc gcttatcaac caccaatttc 7140  
atattgctgt aagtgtttaa atctttactt attgggttca aaaccatgg gttaagcctt 7200  
ttaaactcat ggttagttatt ttcaaggattt aacatgaact taaattcatc aaggctaattc 7260  
tctatatttgc ctttgcgtt tttttttgtt gtttagttttt ttaataacca ctcataaaatc 7320  
ctcatagagt atttgcgttcc aaaagactta acatgttcca gattatattt tatgaattttt 7380  
tttaactggaa aaagataagg caatatctct tcactaaaaaa ctaattctaa ttttgcgtt 7440  
gagaacttgg catagttgtt ccactggaaa atctcaaagc cttaaccaa aggattcctg 7500  
atttccacag ttctcgatcat cagctctctg gttgttttagt ctaatacacc ataagcattt 7560  
tccctactga tgttcatcat ctgagcgtat tgggtataag tgaacgatac cgtccgttct 7620  
ttccttgcgtt ggtttcaat cgtgggggttgg agtagtgcca cacagcataa aattagcttg 7680  
gtttcatgtc ccgttaagtc atagcgacta atcgcttagt catttgcgtt gaaaacaact 7740  
aattcagaca tacatctcaa ttggcttagg tgattttat cactatacca attgagatgg 7800  
gctagtcaat gataattact agtccttttc ctggtagtttgg tgggtatctg taaattctgc 7860  
tagaccttttgc ctggaaaact tgtaaattct gctagaccct ctgtaaattc cgctagacct 7920  
ttgtgtgttt tttttgttta tattcaagtgtt gttataattt atagaataaa gaaagaataaa 7980  
aaaaagataaa aaagaataga tcccagccct gtgtataact cactacttta gtcagttccg 8040  
cagtattaca aaaggatgtc gcaaacgctg tttgctcctc tacaacacag accttaaaac 8100  
cctaaaggct taagtagcac cctcgcaagc tcgggcaaat cgctgaatat tcctttgtc 8160  
tccgaccatc aggacacctga gtcgctgtct ttttcgtgac attcagttcg ctgcgctcac 8220  
ggctctggca gtgaatgggg gtaaatggca ctacaggcgc cttttatggta ttcatgcaag 8280  
gaaactaccc ataatacaag aaaagccgt cacggccttc tcagggcggtt ttatggcggg 8340

tctgctatgt ggtgctatct gacttttgc tggcagcag ttcctgcctt ctgattttcc 8400  
agtctgacca cttcgattt tcccgatca ggtcatttcg actggctaat gcacccagta 8460  
aggcagcggt atcatcaaca ggcttacccg tcttactgtc aac 8503

<210> 94  
<211> 7381  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: recombinant  
pAN006 plasmid

<400> 94  
ttgcggccgc ttcgaaagct gtaatataaa aactttcttc aactaacggg gcaggttagt 60  
gacattagaa aaccgactgt aaaaagtaca gtcggcatta tctcatatta taaaagccag 120  
tcattaggcc tatctgacaa ttcctgaata gagttcataa acaatcctgc atgataacca 180  
tcacaaacag aatgatgtac ctgtaaagat agcggtaaat atattgaatt acctttatta 240  
atgaattttc ctgctgtaat aatggtaga aggttaattac tattattatt gatatttaag 300  
ttaaaccagg taaatgaagt ccatggaata atagaaagag aaaaagcatt ttcaggtata 360  
gggttttgg gaaacaattt ccccgaaacca ttatatttct ctacatcaga aaggtataaa 420  
tcataaaact ctttgaagtc attcttaca ggagtccaaa taccagagaa tggttttagat 480  
acaccatcaa aaattgtata aagtggctct aacttatccc aataacctaa ctctccgtcg 540  
ctattgtaac cagttctaaa agctgtattt gagtttatca cccttgcac taagaaaata 600  
aatgcagggt aaaatttata tccttcttgc tttatgtttc ggtataaaac actaatatca 660  
atttctgtgg ttatactaaa agtcgtttgt tggttcaaatt aatgattaaa tatctttttt 720  
ctcttccat tgtctaaatc aatttttata aagttcattt gatatgcctc ctaaattttt 780  
atctaaagtg aatttaggag gcttacttgc ctgctttctt cattagaatc aatcctttt 840  
taaaagtcaa tattactgtc acataaatat atattttaaa aatatcccac tttatccaaat 900  
tttcgtttgt tgaactaatg ggtgttttag ttgaagaata aagaccacat taaaaaatgt 960  
ggtctttgt gttttttaa aggatttgag cgtagcgaaa aatccttttc tttcttatct 1020  
tgataataag ggtaactatt gaattcggtt ccaagagttt gtagaaacgc aaaaaggcca 1080  
tccgtcagga tggccttctg cttaatttgc tgcctggcag tttatggcgg gcgtcctgcc 1140  
cgccaccctc cggccgttg ctgcacacg ttcaaattccg ctcccgccgg atttgccta 1200  
ctcaggagag cgttcaccga caaacaacag ataaaacgaa aggcccagtc tttcgactga 1260  
gcctttcggtt ttatgttgc cctggcagtt ccctactctc gcatggggag accccacact 1320